

Press release
26 January 2021

HYGO: the hydrogen station on the Michelin site in Vannes will be put into service in October 2021

Jo Brohan, Chairman of Morbihan Énergies and of SEM 56 Énergies, and Julien Chauvet, Hydrogen France Director of ENGIE Solutions and Chairman of the HYGO company, today signed, in the presence of Johan Cordonnier, the Site Director for Michelin in Vannes, André Crocq, member of the Brittany Regional Council in charge of energy transition and David Robo, the Mayor of Vannes, the Design, Implementation and Operation/Maintenance (CREM) contract marking the official start of construction of the green hydrogen facility that will supply the Michelin site and the filling station for vehicles belonging to the general public in Vannes (56).

Almost one year after the announcement of the creation of the HYGO company, founded by Morbihan Energies and ENGIE Solutions, the renewable hydrogen production and distribution infrastructure project has taken a major step forward.

This CREM has been entrusted to the ENGIE Solutions teams thanks to their long history of expertise in green mobility, and its signing is, in fact, the first operational milestone of the project, which is now entering its implementation phase.

The next step – the construction of the station – will begin next June, with the station planned to be put into service in October 2021.

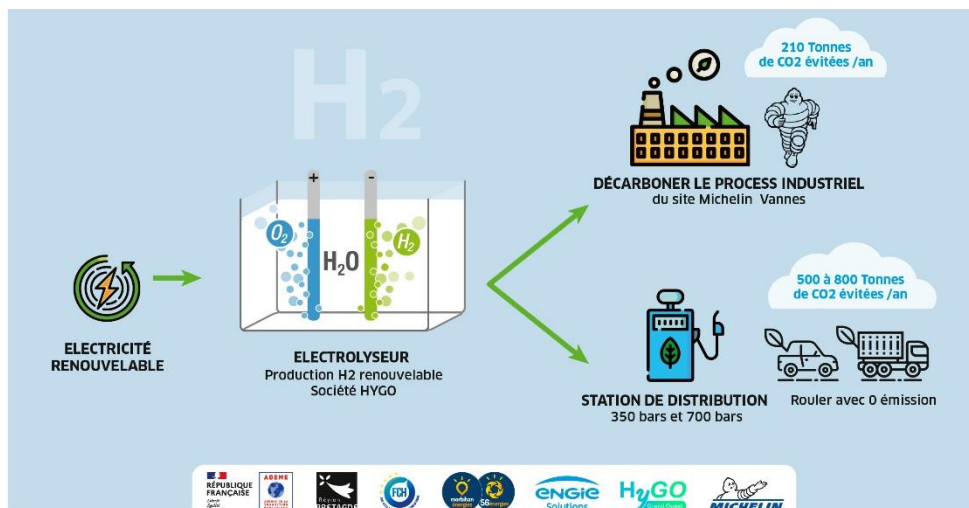
Backed by the ADEME and the Brittany Region, the project's goal is to produce green hydrogen through water electrolysis using electricity from a renewable source:

- to serve the industrial uses of Michelin, which is fully committed to the initiative and uses hydrogen on its site for its heat treatment process*.
- to supply a green hydrogen filling station for light-duty and heavy goods vehicles belonging to the general public.

The ADEME and the Brittany Region will also support future buyers of hydrogen vehicles using that filling station in the framework of an overall envelope of €992 K from the ADEME and €500 K from the Region.

At the crossroads where industry and mobility come together, this local hydrogen production project aims to meet the challenges of the transition to carbon neutrality in Brittany's southern territory.

* Industrial process used to change the properties of a material through heating and cooling cycles



The project's key dates and figures:

- **June 2021:** start of work
- **5 months** of construction work
- **4.9 million euros** of investment
- **1,763 K euros** of support from the ADEME
- **500 K euros** of support from the Brittany Region
- Project selected in the framework of the call for National Territory of Innovation

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About Michelin

Specialising in the production of metal reinforcements, the Michelin factory in Vannes employs 390 staff, making the factory one of the main private employers in the city. The components produced on the Vannes site are used for the manufacture of tyres for heavy goods vehicles and passenger cars, mainly in the Group's European factories.

Michelin's ambition is to improve its customers' mobility in a sustainable way. A leader in the mobility sector, Michelin designs, manufactures and distributes tyres that are best suited to their needs and uses, as well as services and solutions to improve the effectiveness of transport. Michelin also proposes offers that allow its customers to enjoy unique experiences when travelling for leisure or business. In addition, Michelin develops high-tech materials for use in a variety of fields. Based in Clermont-Ferrand, Michelin is present in 171 countries, employs more than 127,000 people and operates 69 tyre factories which together produced approximately 200 million tyres in 2019. (www.michelin.com).

About HYGO

Morbihan Énergies and ENGIE Solutions founded the HYGO company in March 2020 in order to develop renewable hydrogen production and distribution infrastructures and open up new perspectives for the sector in Brittany.

The mission of this project company is therefore to deploy hydrogen mobility infrastructures and encourage their use in the territory, by both industrial firms and the general public.

About Morbihan Énergies and the SEM 56 Énergies company

The owner of more than 22,000 km of networks, Morbihan énergies is the only authority organising the distribution of electricity in Morbihan. This public inter-municipality cooperation establishment invests more than €40 M p.a. in networks. Over the years, it has become an essential public player, supporting collectivities (municipalities and inter-municipalities) to ensure the development of the digital and energy transition in Morbihan. Amongst the flagship actions led by Morbihan Énergies or its semi-public company '56 Énergies' in recent years, there is hydrogen mobility in particular with the inauguration in June 2017 of the green hydrogen station, the 1st demonstrator in Brittany, electric mobility (200 terminals for vehicles deployed and used, 3 GNV stations in service, a solar energy demonstrator of hydrogen production with a vehicle), Renewable energies (Solar energy producer, Demonstrators linked to individual and collective consumption (Partagélec), flexibility, storage, aggregation platform), and digital transition (support for communities (PCRS, OpenData, GDPR, sovereign cloud), GIS sharing). <http://morbihan-energies.fr/>

About ENGIE Solutions

ENGIE Solutions supports cities, industries and tertiary sector companies by providing them with answers to the challenge of the energy transition through turnkey and tailor-made offers.

ENGIE Solutions' experts bring all their know-how to bear on achieving three goals: optimising the use of energy and resources; greening energy and reinventing living and working environments.

ENGIE Solutions is the promise of a single point of contact and a combination of complementary offers going beyond energy. Our 50,000 employees are committed to results and with 900 locations, they operate throughout France. They are capable of intervening in a wide range of fields ranging from design to operation of infrastructures & services, including financing, installation and maintenance.

ENGIE Solutions is part of the ENGIE group, a global industry leader in low-carbon energy and services, the ambition of which is to act to accelerate the transition to a carbon-neutral world.

www.engie-solutions.com

THE ADEME IN A NUTSHELL

The ecological transition agency is firmly committed to the fight against climate change and the depletion of resources. On all fronts, it mobilises citizens, economic players and territories, and gives them the means to advance towards a lower-carbon society that is economic with its resources, more equitable and harmonious. In all areas – energy, air, circular economy, food, waste, soils... – the ADEME advises, facilitates and helps with the funding of many projects, from the research to the sharing of solutions. At all levels, the ADEME places its capacities of expertise and forward-thinking at the service of public policies. The ADEME is a public establishment under the supervision of the Ministry of Ecological Transition and the Ministry of Further Education Research and Innovation.

www.ademe.fr



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About the Brittany Region

A collectivity that has been committed to the sustainable economic development of its territories for twenty years, in its energy transition and the securing of supplies, the Region particularly supports communities and companies through major growth-generating projects. In addition to having authority over regional transport, it also manages built heritage, which includes the region's schools, ports and airports. Finally, in 2020, the Brittany Region voted for and launched Brittany's roadmap for the deployment of renewable hydrogen by 2030, and regularly supports communities and industrial firms, through calls for projects, in the development of an initial network of local ecosystems for the production and use of renewable hydrogen. To this end, the Region supported the project's preliminary study and later work aimed at analysis of a hydrogen cycle on a greater scale covering the whole of Morbihan.

www.bretagne.bzh | www.bdi.fr/fr/projets/hydrogene-renouvelable/